

# Washington Department of Ecology

## Everett Smelter Site

### Summer 1999 Cleanup

#### Details of Cleanup Activities

The Department of Ecology (Ecology) cleaned up the yards of ten homes within the Everett Smelter Site in the summer of 1999. The cleanup was conducted according to the *Everett Smelter Site: Integrated Draft Cleanup Action Plan and Draft Environmental Impact Statement for the Upland Area*. The cleanup plans were made final in November 1999. The final plans contain no substantive differences from the draft plans.

This report describes the cleanup actions that were conducted, what arsenic-contaminated soil was not removed, and where it remains for the following location:

Property Owner: Maxine Ponds

Address:  
206 Medora Way  
Everett, WA 98201

Snohomish County  
State of Washington  
Tax Parcel No. # 3966-000-230-0008

This property was divided by Ecology into two Decision Units, A and B, as shown on the attached map, for purposes of pre-cleanup sampling and decision-making regarding the depth to which excavation was required. The following is a summary of the work done in the remediation of the property within each of the decision units.

#### Decision Unit: A

Results of pre-cleanup sampling indicated 24 inches of soil were to be excavated from within this decision unit. Attachment B shows that below 24 inches, results of composite sample analyses are below the remediation level of 150 parts per million (ppm). Because the soil below 24 inches contains arsenic levels below the cleanup level of 20 ppm, a geofabric marker was not placed.

Field measurements by the Ecology on-site coordinator confirmed that soil was removed to a depth of 24 inches. Within the dripline of trees, only the existing sod was removed; beyond the dripline, 24 inches were excavated. The combined area of what is shown on




Attachment A as a crushed rock driveway, and the area beneath the deck/carport, was to be completed with an asphalt surface, per the owner's request. Therefore, this area was excavated to a depth of 6 inches, and replaced with 4 inches of crushed rock and a 2-inch layer of asphalt. Backfilling with clean backfill material was carried out, as described in the *Specifications for Everett Residential Soil Remediation*, in the backyard portion of the decision unit. Topsoil was then placed in that area, and sod planted.

Decision Unit: B

Results of pre-cleanup sampling indicated 24 inches of soil were to be excavated from within this decision unit. Attachment B shows that below 24 inches, results of composite sample analyses are below the remediation level of 150 ppm. However, because the soil below 24 inches contains arsenic levels above the cleanup level of 20 ppm, a geofabric marker was placed within this decision unit. In order to facilitate excavation, the chainlink fence, the cement chunk wall, and the southern half of the wood fence along the southwest boundary of the property were removed and later replaced. Also, all trees were taken out, with the exception of the big pine tree shown on Attachment A, near the northwest property boundary. Within the dripline of the big pine tree, only the existing sod was removed; beyond the dripline, 24 inches were excavated.

Field measurements by the Ecology on-site coordinator confirmed that soil was removed to a depth of 24 inches. No soil was removed from beneath the porch at the front of the existing house, and 12 to 18 inches were removed from over the water line running from the valve in the front yard toward the house, along a line perpendicular to the front of the house, and from the same valve toward the front walkway, parallel to the chain-link fence. The front walkway was not removed during excavation. Soil was not removed from beneath the row of bushes along the northeast boundary of the property. After placing a geofabric marker, backfilling with clean backfill material was carried out, as described in the *Specifications for Everett Residential Soil Remediation*. Topsoil was then placed, sod planted, and fences re-installed. The Gold Chain tree near the southern corner of the property was replaced.

  
Al Armstrong  
Washington Department of Ecology

November 30, 1999

ATA:aa

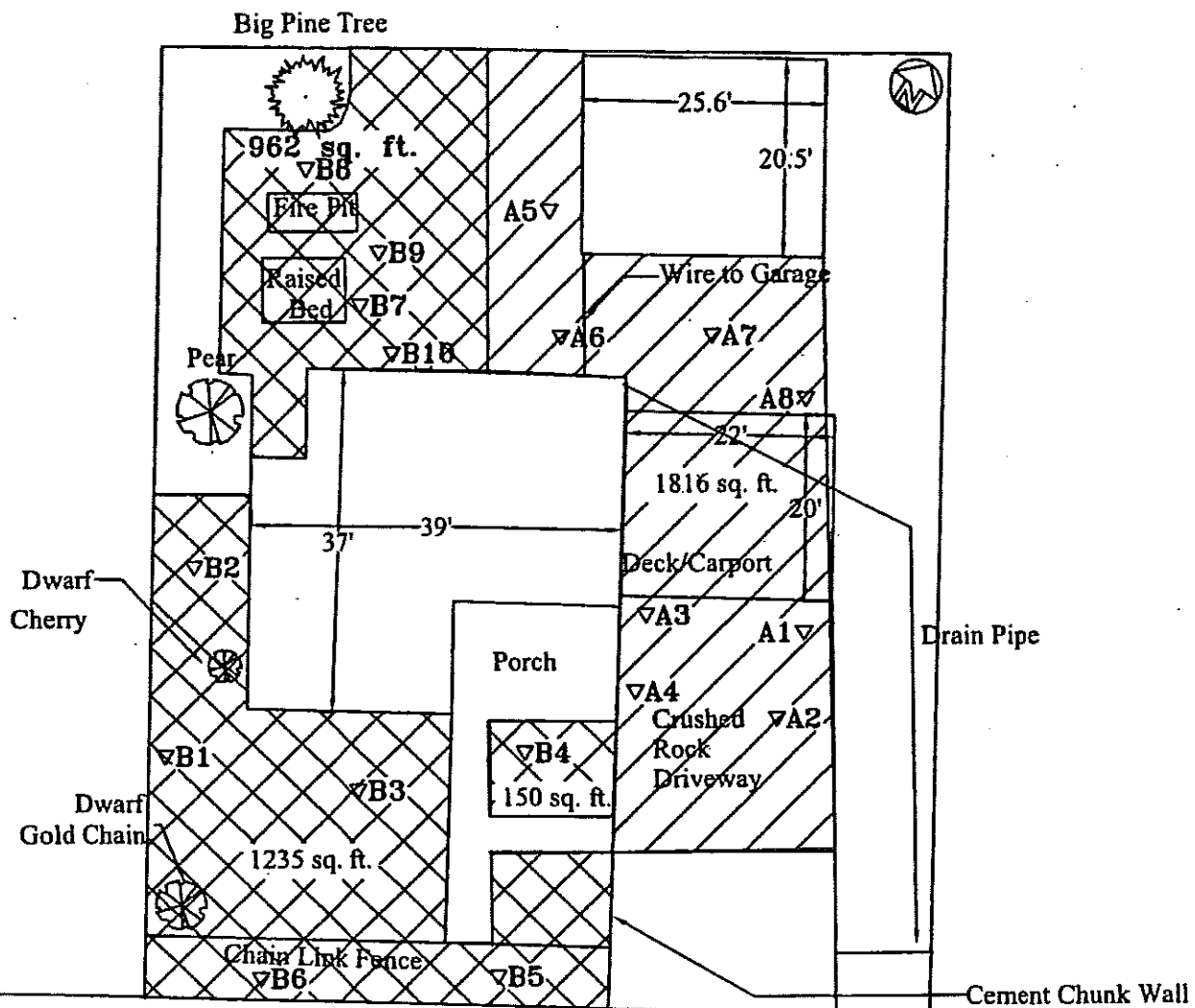
Attachments: A. Site Map  
B. Graphs of Arsenic concentration vs. depth (1 page)  
C. Explanation of graphs



Note: If the attachments listed above do not accompany this document, copies may be obtained from Ecology. Please contact Sally Perkins, Central Files of Ecology's Northwest Regional Office (NWRO), at (425) 649-7190 for information on obtaining copies.

cc: Ecology Central Files, NWRO  
Mary Sue Wilson, Assistant Attorney General  
Mike Young, Snohomish Health District  
City of Everett  
Snohomish PUD  
Northeast Everett Community Organization  
Northwest Everett Neighborhood Association







# MEDORA WAY

206 MEDORA WAY

Attachment A

Scale 1" = 20'

-  Decision Unit A
-  Decision Unit B

